TOBACCO INDUSTRY RESEARCH COMMITTEE
150 EAST FORTY SECOND STREET NEW YORK 17, N.Y. #177

Application For Research Grant

Date: August 8, 1957

1. Name of Investigator: Arthur R. Payzant, M.D.

2. Title: Chief of the Radiology Department

3. Institution Touro Infirmary
& Address: Prytania at Delachaise Sts., New Orleans 15, La.

4. Project or Subject: Determination of roentgenographic changes in the plain PPA of the chest, if any, of vascular shadows as related to smoking of cigarettes, correlated to length of time of smoking and type of smoking habits.

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5. Detailed Plan of Procedure (Use reverse side if additional space is needed):

The basic research will be conducted by Dr. Josue Pagan-Carlo, Radiology Resident, under the supervision of Dr. Payzant, Chief Radiologist; Dr. T. J. Haley, and Dr. George A. Gentner, Associate Radiologists. Dr. Pagan-Carlo will be allowed a subsistence stipend of $300.00 a month from the Grant-in-Aid fund.

The program will consist of an evaluation of all routine chest films, PPA views, and when necessary tomographic cuts at the level of the tracheal carina, of the thickness of the vascular markings at the mid pulmonary and at the peripheral pulmonary zones of smokers and non-smokers. Chest films taken in patients with known or suspected cardiopulmonary pathology, other than carcinomas of the lungs,, will not be evaluated. The findings will be tabulated by type of smoking, length of time of smoking and amount of smoking, age, and sex. The average thickness of the markings in known normal chests will be compared with those of smokers classified as light, moderate, heavy, depending on the number of cigarettes smoked daily. Any statistical significant deviation will be determined by currently used statistical methods.

It is estimated that over 2,000 films will be reviewed in the course of one year, involving both the normal non-smoker chest and the smoker's chests. Micrometric measurements will be used to assure an accurate measurement as possible. Special tomographic examinations and additional views necessary on any case will be paid out of the Grant-in-Aid fund to the hospital.

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5. Detailed Plan of Procedure (Cont.)

The final evaluation as to the thickness and patterns of the vascular markings will be on the basis of cooperative examination of the films by the Chief Radiologist, the associate radiologists, and the radiology resident. The technicians taking the films will be instructed to obtain the necessary smoking history from the patient as well as the Chief receptionist, as specifically instructed by Dr. Pagan-Carlo; for this additional work they will receive a nominal compensation from the Grant-in-Aid fund.

The necessary photographic work and clerical work for the publication of the results of this research program also will be paid out of Grant-in-Aid funds. If desired necessary, a special clinical photography camera will be purchased and will become part of the permanent equipment of the Radiology Department, this camera will be used to copy selected films of the chest.

The project will last an estimated 12 months.

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Source: https://www.industrydocuments.ucsf.edu/docs/xnvm0000

6. Budget Plan:

Salaries	$ 4,100.00
Expendable Supplies	100.00
Permanent Equipment	500.00
Overhead	
Other	300.00
Total	$ 5,000.00

7. Anticipated Duration of Work: 12 months

8. Facilities and Staff Available:

The facilities of the X-Ray Department of Touro Infirmary will be used. Over 100 diagnostic cases is the daily load of the department (15% of which are chest x-rays). There are two fluoroscopic machines, 200 MA; four diagnostic machines including two 500 MA; one special tomographic and luminagraphic machine; other special equipment of the department used in rapid serial x-ray exposures for angiocardiography and arteriography are available but will not be used. The department has 5 technicians, and 5 students of x-ray technic, two dark-room technicians, ~~and~~ Incidentally the darkroom has timed and thermostatically controlled developer for uniform film development. (See reverse side for continuation.)

9. Additional Requirements:

None.

10. Additional Information (Including relation of work to other projects and other sources of supply):

Touro Infirmary has over 500 beds (this includes 48 bassinets), with a very active out-patient clinic and teaching ward service. The hospital is approved by the American Medical Association for the graduate training of residents in many specialty fields, it is approved for intern training, accredited by the Joint Commission on Hospital Accreditation. Touro Infirmary is affiliated with Tulane University School of Medicine for the training of Medical Students in clinical medicine.

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Signature
Director of Project Arthur R. Payzant, M.D.
CHIEF RADIOLOGIST

John C. Mackenzie, M.D.
Business Officer of the Institution

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8. Facilities and Staff Available (Cont.)

There are three full time radiologists, all certified in Radiology by the American Board of Radiology. The Department is approved for the training of residents in Radiology by the American Medical Association and by the American Medical Board of Directors of Radiology. It is also approved for fellowship training by the United Public Health Service, National Institute of Cancer and by the American Cancer Society.

The Department also has a school of X-Ray Technicians approved by the American Registry of X-Ray Technicians and by the American Medical Association.

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